#11
5/8/02

1600

R. mitra

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/667,380A

DATE: 05/02/2002
TIME: 17:21:26

Input Set : A:\LEX-0042-USA SEQLIST.txt
Output Set: N:\CRF3\05022002\I667380A.raw

ENTERED

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 4 <110> APPLICANT: Donoho, Gregory
 5         Turner, C. Alexander Jr.
 6         Wattler, Frank
 7         Nehls, Michael
 8         Friedrich, Glenn
 9         Zambrowicz, Brian
10         Sands, Arthur T.
12 <120> TITLE OF INVENTION: Novel Human Protease Inhibitor-Like
13         Proteins and Polynucleotides Encoding the Same
16 <130> FILE REFERENCE: LEX-0042-USA
C--> 18 <140> CURRENT APPLICATION NUMBER: US/09/667,380A
C--> 18 <141> CURRENT FILING DATE: 2000-09-22
18 <150> PRIOR APPLICATION NUMBER: US 60/156,101
19 <151> PRIOR FILING DATE: 1999-09-24
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23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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26 <211> LENGTH: 1491
27 <212> TYPE: DNA
28 <213> ORGANISM: homo sapiens
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33 aacgagtctc actcccgggt ccgcagagcc atccccaggg aggacaagga ggagatcctc     180
34 atgctgcaca acaagcttcg gggccaggtg cagcctcagg cctccaacat ggagtacatg     240
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37 tatcgctctc cggggttcca tgtgcagtcc tggtatgacg aggtgaagga ctacacctac     420
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39 cactacacac agatagtttg ggccaccacc aacaagatcg gttgtgctgt gaacacctgc     540
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41 tctccaaagg ggaactggat tggagaagcc ccctacaaga atggccggcc ctgctctgag     660
42 tgcccaccca gctatggagg cagctgcagg aacaacttgt gttaccgaga agaaacctac     720
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44 aaccatgttt ggctccaacc gagggtgatg agacaccaga agcccaagaa aacctctgcg     840
45 gtcaactaca tgacccaagt cgtcagatgt gacaccaaga tgaaggacag gtgcaaaggg     900
46 tccacgtgta acaggtacca gtgcccagca ggctgcctga accacaaggc gaagatcttt     960
47 ggaagtctgt tctatgaaag ctcgtctagc atatgccgcg ccgccatcca ctacgggatc    1020
48 ctggatgaca agggaggcct ggtggatatc accaggaacg ggaaggtccc cttcttcgtg    1080
49 aagtctgaga gacacggcgt gcagtccctc agcaaataca aaccttccag ctcattcatg    1140
50 gtgtcaaaag tgaaagtgca ggatttggac tgctacacga ccgttgctca gctgtgcccg    1200
51 tttgaaaagc cagcaactca ctgcccaaga atccattgtc cggcacactg caaagacgaa    1260
52 ccttcctact gggctccggt gtttggaacc aacatctatg cagatacctc aagcatctgc    1320
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53 aagacagctg tgcacgcggg agtcatcagc aacgagagtg ggggtgacgt ggacgtgatg   1380
54 cccgtggata aaaagaagac ctacgtgggc tcgctcagga atggagttca gtctgaaagc   1440
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58 <211> LENGTH: 497
59 <212> TYPE: PRT
60 <213> ORGANISM: homo sapiens

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66              20                  25                  30
67 Glu Leu Leu Ser Lys Tyr Gln His Asn Glu Ser His Ser Arg Val Arg
68          35                  40                  45
69 Arg Ala Ile Pro Arg Glu Asp Lys Glu Glu Ile Leu Met Leu His Asn
70      50                  55                  60
71 Lys Leu Arg Gly Gln Val Gln Pro Gln Ala Ser Asn Met Glu Tyr Met
72 65                  70                  75                  80
73 Thr Trp Asp Asp Glu Leu Glu Lys Ser Ala Ala Ala Trp Ala Ser Gln
74                  85                  90                  95
75 Cys Ile Trp Glu His Gly Pro Thr Ser Leu Leu Val Ser Ile Gly Gln
76              100                 105                 110
77 Asn Leu Gly Ala His Trp Gly Arg Tyr Arg Ser Pro Gly Phe His Val
78          115                 120                 125
79 Gln Ser Trp Tyr Asp Glu Val Lys Asp Tyr Thr Tyr Pro Tyr Pro Ser
80          130                 135                 140
81 Glu Cys Asn Pro Trp Cys Pro Glu Arg Cys Ser Gly Pro Met Cys Thr
82 145                 150                 155                 160
83 His Tyr Thr Gln Ile Val Trp Ala Thr Thr Asn Lys Ile Gly Cys Ala
84                  165                 170                 175
85 Val Asn Thr Cys Arg Lys Met Thr Val Trp Gly Glu Val Trp Glu Asn
86              180                 185                 190
87 Ala Val Tyr Phe Val Cys Asn Tyr Ser Pro Lys Gly Asn Trp Ile Gly
88          195                 200                 205
89 Glu Ala Pro Tyr Lys Asn Gly Arg Pro Cys Ser Glu Cys Pro Pro Ser
90      210                 215                 220
91 Tyr Gly Gly Ser Cys Arg Asn Asn Leu Cys Tyr Arg Glu Glu Thr Tyr
92 225                 230                 235                 240
93 Thr Pro Lys Pro Glu Thr Asp Glu Met Asn Glu Val Glu Thr Ala Pro
94                  245                 250                 255
95 Ile Pro Glu Glu Asn His Val Trp Leu Gln Pro Arg Val Met Arg Pro
96              260                 265                 270
97 Thr Lys Pro Lys Lys Thr Ser Ala Val Asn Tyr Met Thr Gln Val Val
98          275                 280                 285
99 Arg Cys Asp Thr Lys Met Lys Asp Arg Cys Lys Gly Ser Thr Cys Asn
100     290                 295                 300
101 Arg Tyr Gln Cys Pro Ala Gly Cys Leu Asn His Lys Ala Lys Ile Phe
102 305                 310                 315                 320
103 Gly Ser Leu Phe Tyr Glu Ser Ser Ser Ser Ile Cys Arg Ala Ala Ile
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104                 325                 330                 335
105 His Tyr Gly Ile Leu Asp Asp Lys Gly Gly Leu Val Asp Ile Thr Arg
106                 340                 345                 350
107 Asn Gly Lys Val Pro Phe Phe Val Lys Ser Glu Arg His Gly Val Gln
108                 355                 360                 365
109 Ser Leu Ser Lys Tyr Lys Pro Ser Ser Ser Phe Met Val Ser Lys Val
110                 370                 375                 380
111 Lys Val Gln Asp Leu Asp Cys Tyr Thr Thr Val Ala Gln Leu Cys Pro
112 385                 390                 395                 400
113 Phe Glu Lys Pro Ala Thr His Cys Pro Arg Ile His Cys Pro Ala His
114                 405                 410                 415
115 Cys Lys Asp Glu Pro Ser Tyr Trp Ala Pro Val Phe Gly Thr Asn Ile
116                 420                 425                 430
117 Tyr Ala Asp Thr Ser Ser Ile Cys Lys Thr Ala Val His Ala Gly Val
118                 435                 440                 445
119 Ile Ser Asn Glu Ser Gly Gly Asp Val Asp Val Met Pro Val Asp Lys
120                 450                 455                 460
121 Lys Lys Thr Tyr Val Gly Ser Leu Arg Asn Gly Val Gln Ser Glu Ser
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129 <211> LENGTH: 2272
130 <212> TYPE: DNA
131 <213> ORGANISM: homo sapiens
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136 ggtgattgga gccctgcgga gagctcaagc gcccagctct gcccsaggag cccaggctgc   180
137 cccgtgagtc ccatagttgc tgcaggagtg gagccatgag ctgcgtcctg ggtggtgtca   240
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142 ctgctgcagc gtgggccagt cagtgcatct gggagcacgg gcccaccagt ctgctggtgt   540
143 ccatcgggca gaacctgggc gctcactggg gcaggtatcg ctctccgggg ttccatgtgc   600
144 agtcctggta tgacgaggtg aaggactaca cctaccccta cccgagcgag tgcaacccct   660
145 ggtgtccaga gaggtgctcg gggcctatgt gcacgcacta cacacagata gtttgggcca   720
146 ccaccaacaa gatcggttgt gctgtgaaca cctgccggaa gatgactgtc tggggagaag   780
147 tttgggagaa cgcggtctac tttgtctgca attattctcc aaaggggaac tggattggag   840
148 aagcccccta caagaatggc cggccctgct ctgagtgccc acccagctat ggaggcagct   900
149 gcaggaacaa cttgtgttac cgagaagaaa cctacactcc aaaacctgaa acggacgaga   960
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151 tgatgagacc caccaagccc aagaaaacct ctgcggtcaa ctacatgacc caagtcgtca  1080
152 gatgtgacac caagatgaag gacaggtgca aagggtccac gtgtaacagg taccagtgcc  1140
153 cagcaggctg cctgaaccac aaggcgaaga tctttggaag tctgttctat gaaagctcgt  1200
154 ctagcatatg ccgcgccgcc atccactacg ggatcctgga tgacaaggga ggcctggtgg  1260
155 atatcaccag gaacgggaag gtccccttct tcgtgaagtc tgagagacac ggcgtgcagt  1320
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/667,380A
DATE: 05/02/2002
TIME: 17:21:27

Input Set : **A:\LEX-0042-USA SEQLIST.txt**
Output Set: **N:\CRF3\05022002\I667380A.raw**

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158 caagaatcca ttgtccggca cactgcaaag acgaaccttc ctactgggct ccggtgtttg   1500
159 gaaccaacat ctatgcagat acctcaagca tctgcaagac agctgtgcac gcgggagtca   1560
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164 tcaggaaact tcctttgact gatgttcagt gtccatcact ttgtggcctg tgggtgaggt   1860
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166 gcctgatcct gctggggcct gggggtctcc atctggacgt cctctctcct ttagagatct   1980
167 gagctgtctc ttaaagggga cagttgccca aaatgttcct tgctatgtgt tcttctgttg   2040
168 gtggaggaag ttgatttcaa ccccctgcc aaaagaacaa accatttgaa gctcacaatt    2100
169 gtgaagcatt cacggcgtcg gaagaggcct tttgagcaag cgccaatgag tttcaggaat   2160
170 gaagtagaag gtagttattt aaaaataaaa aacacagtcc gtccctacca atagaggaaa   2220
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/667,380A

DATE: 05/02/2002
TIME: 17:21:28

Input Set : A:\LEX-0042-USA SEQLIST.txt
Output Set: N:\CRF3\05022002\I667380A.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application No
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date

5/2/02